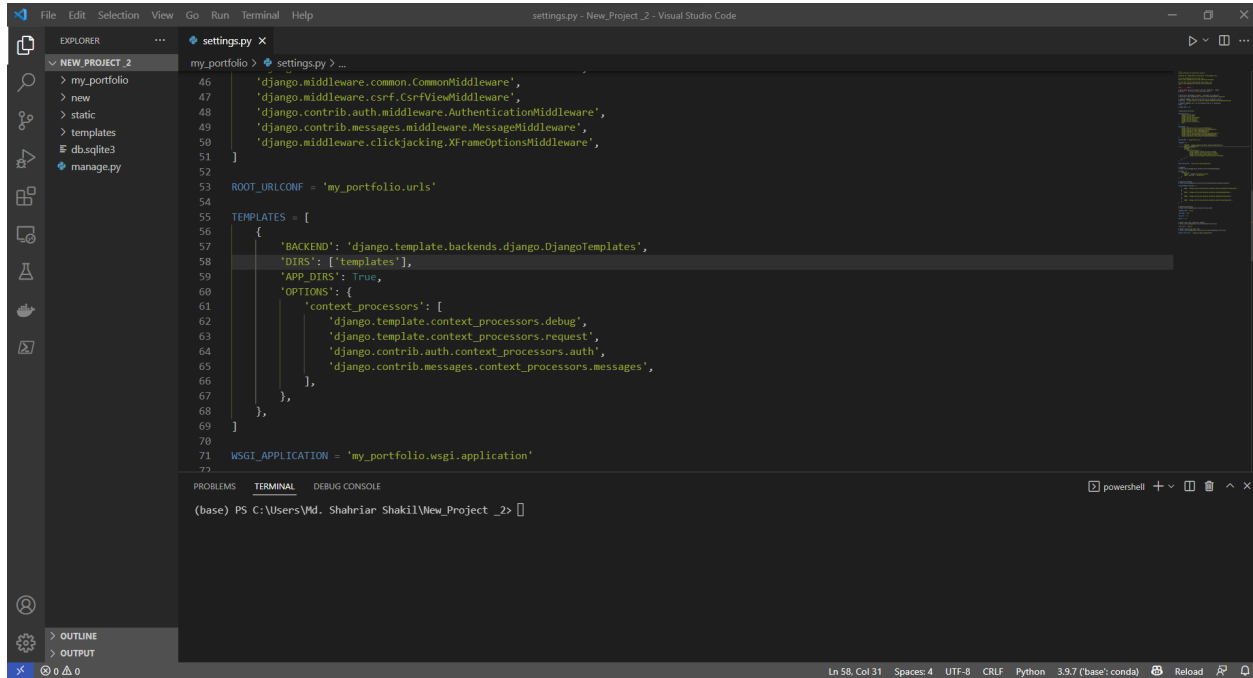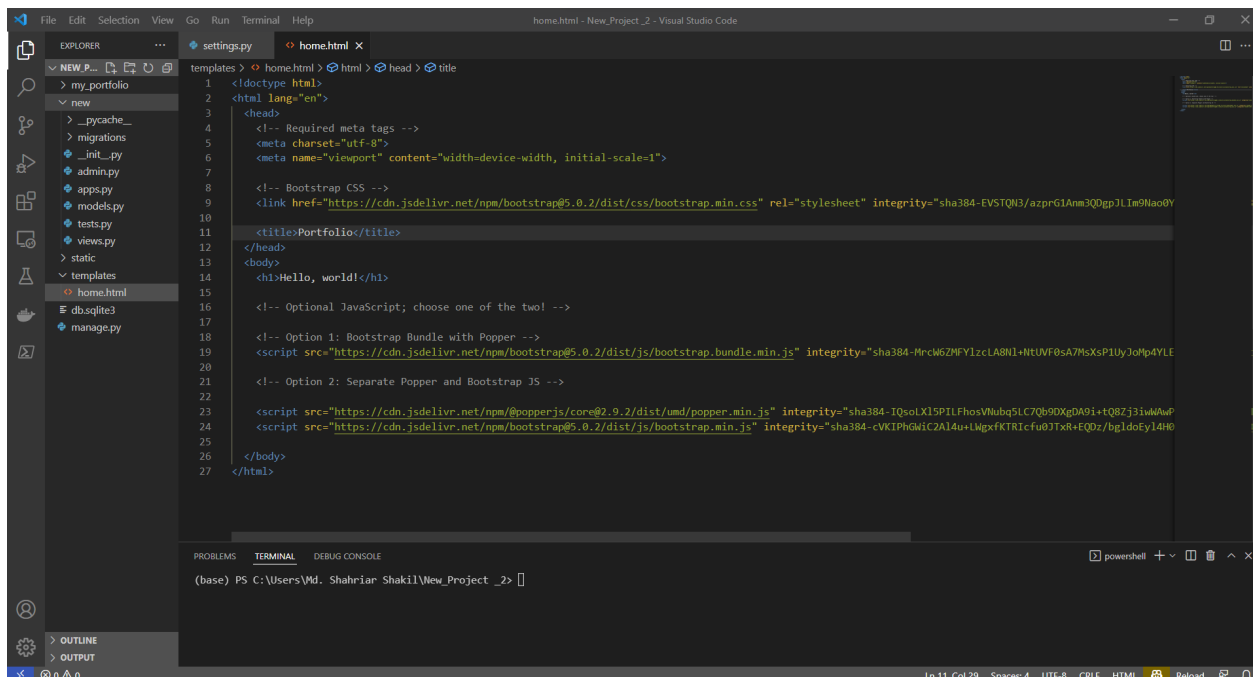# Lab-3

Boostrsp, Django View & URL

1. Create a folder in the project directory with name templates
2. Create another folder in the project directory with the name static.
3. Now, go to my_portfolio>settings find TEMPLATES & change
   a. 'DIRS':[] to 'DIRS':['templates']

4. Create an Html file in the templates folder with the name home.html
   a. [Click here](#) to get this Html code.

5. Go to new>views.py
    a. In top we import HttpResponse by-

    ```
    from django.http import HttpResponse
    ```

    b. Then we create a function called home-

    ```
    def home(request):
        return render(request, 'home.html')
    ```
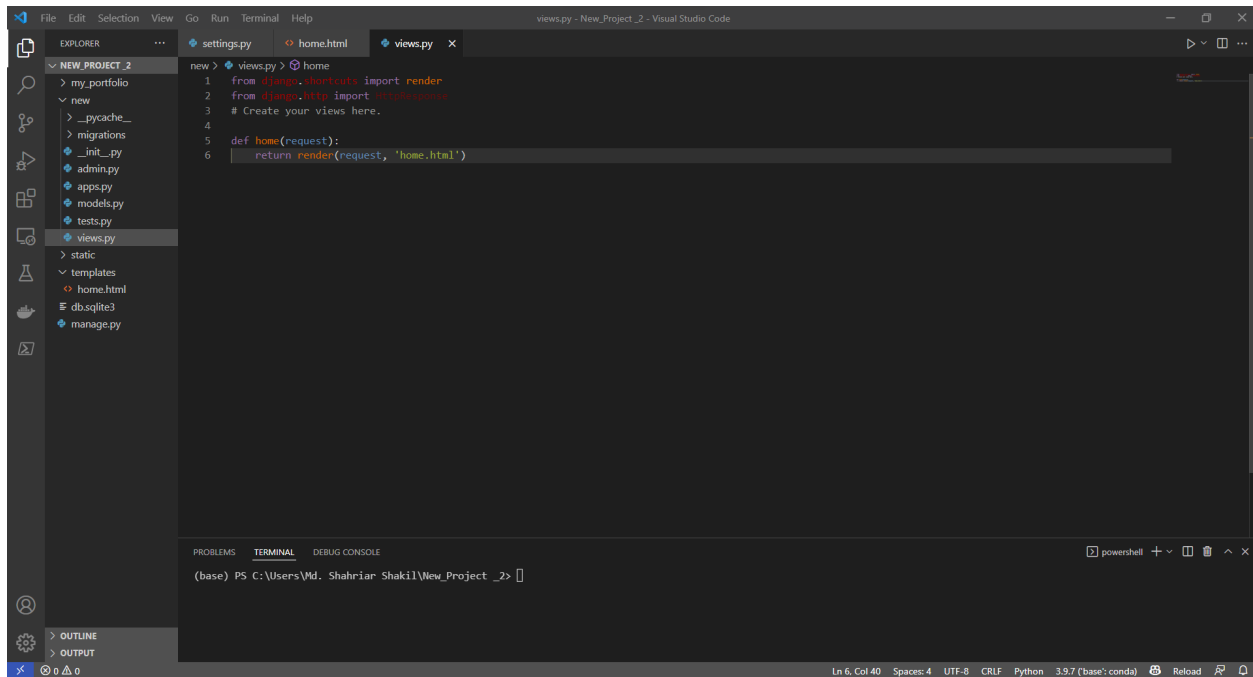

6. Go to my_portfolio>urls.py
    a. We have to import our home function here. We can do it by-

    ```
    from new.views import home
    ```

    b. In urlpatterns define our home url by adding-

    ```
    path('', home, name='home'),
    ```

7. Go to terminal & activate conda environment by -
   Conda activate base
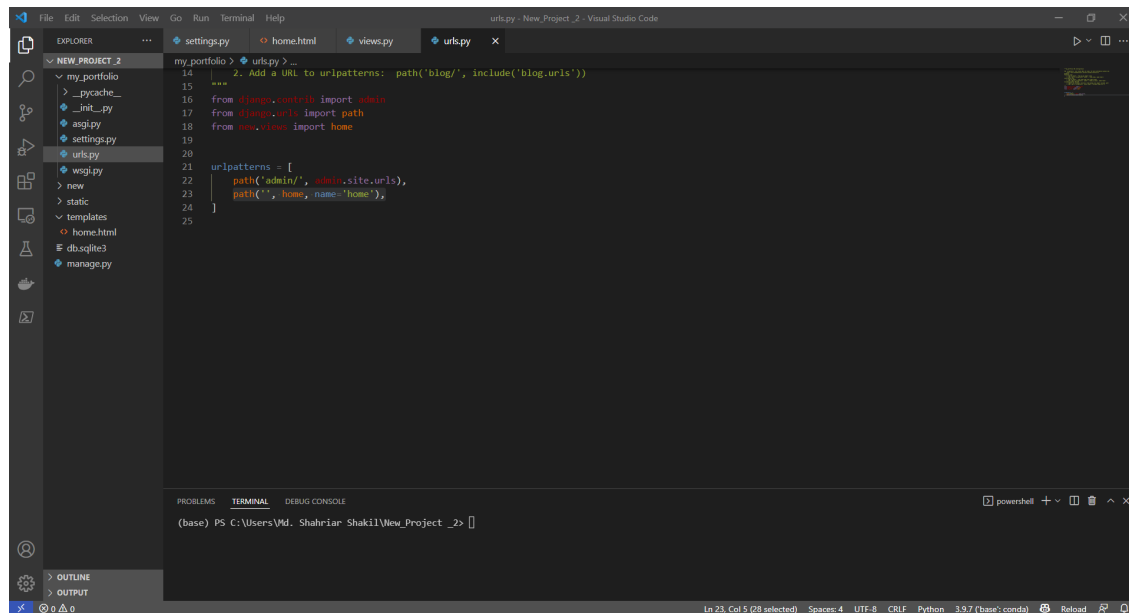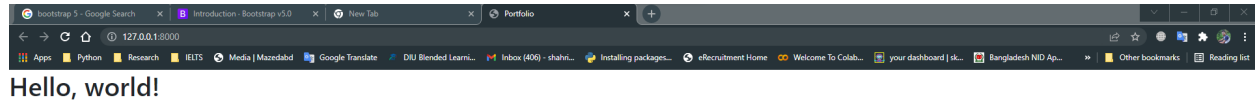   a. Then run the project by-
      python manage.py runserver
   b. Go to browser paste this http://127.0.0.1:8000/ you will see as like below

8. Now we create more Html files in the templates folder like about.html,contact.html. For this 2 files we create two functions in views.py file-

```python
def about(request):
    return render(request, 'about.html')


def contact(request):
    return render(request, 'contact.html')
```
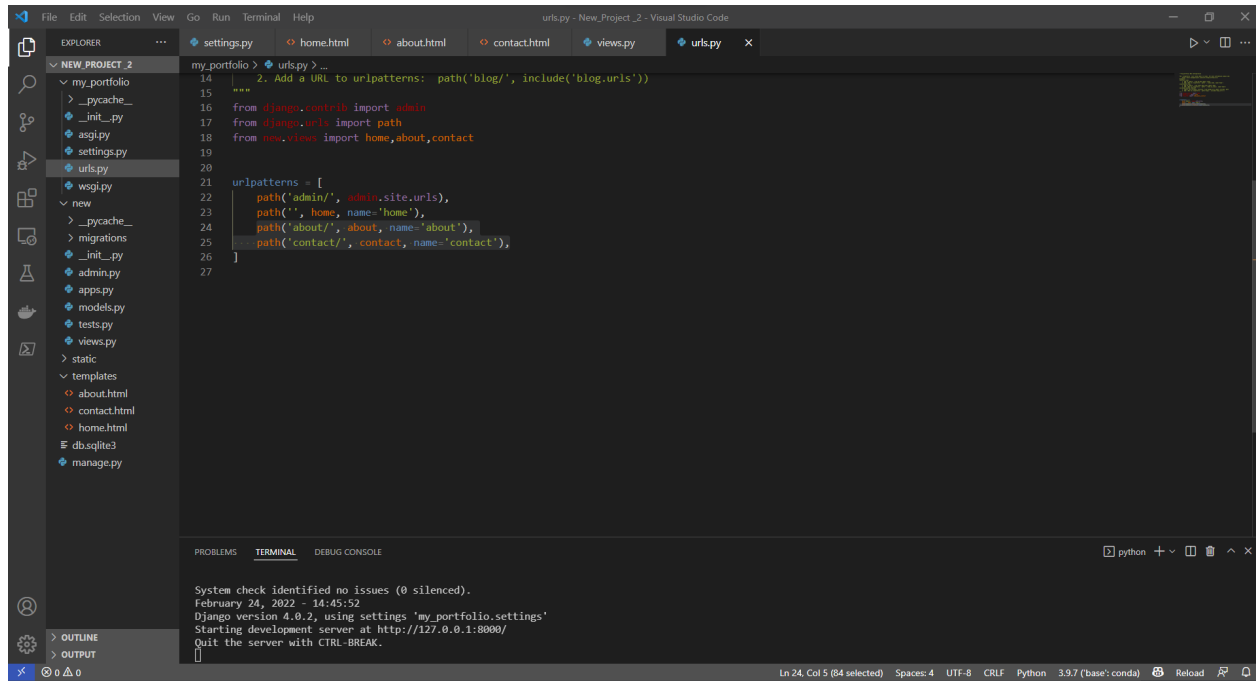
   a. Now views.py looks like this
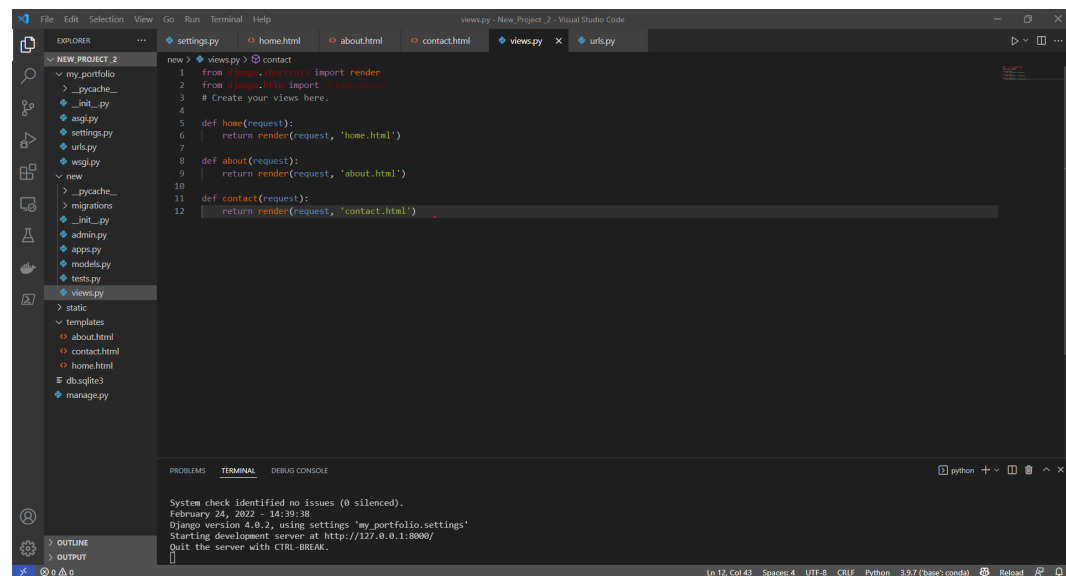
9. In urls.py file we have to import our about & contact function

```
from new.views import home,about,contact
```

    a. In urlpatterns add-

```
path('about/', about, name='about'),
    path('contact/', contact, name='contact'),
```

    b. urls.py looks like this

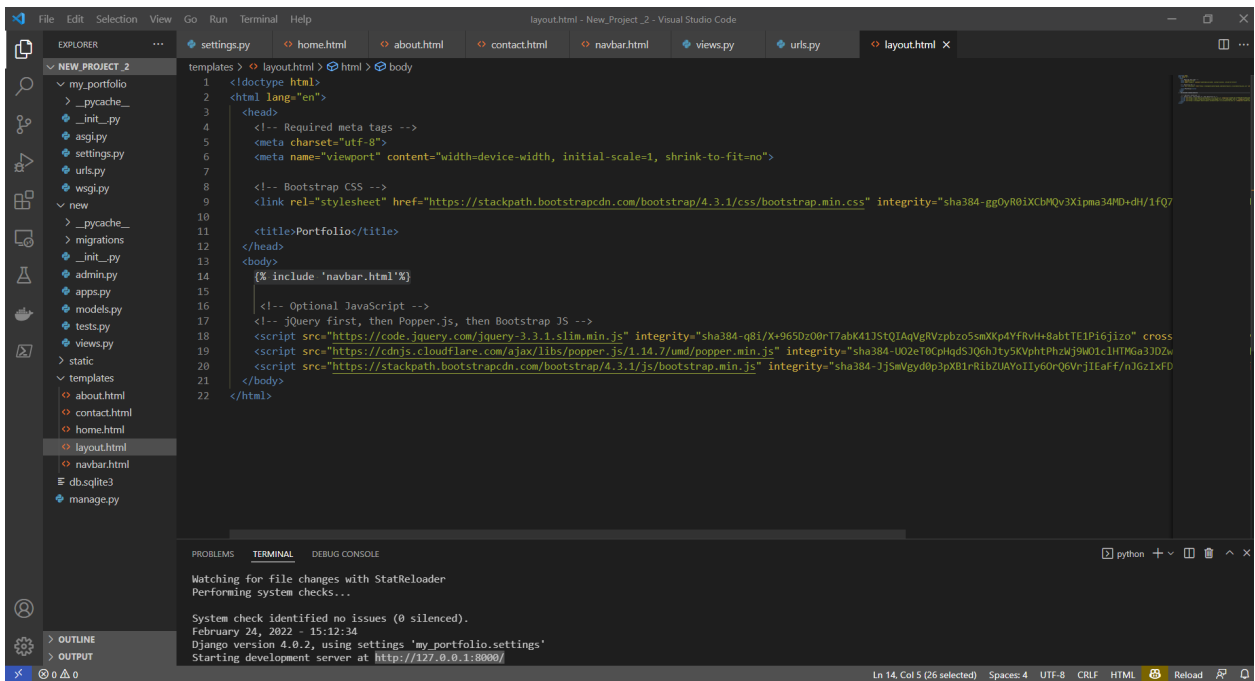10. Congratulations! We completed step-9. We have to design this html file with bootstrap content.
    a. We create another html file in templates folder called layout.html. In this file we write our common html file that needs for all html file like html head & body tag.
        i. [Click here](#) to get code for layout.html
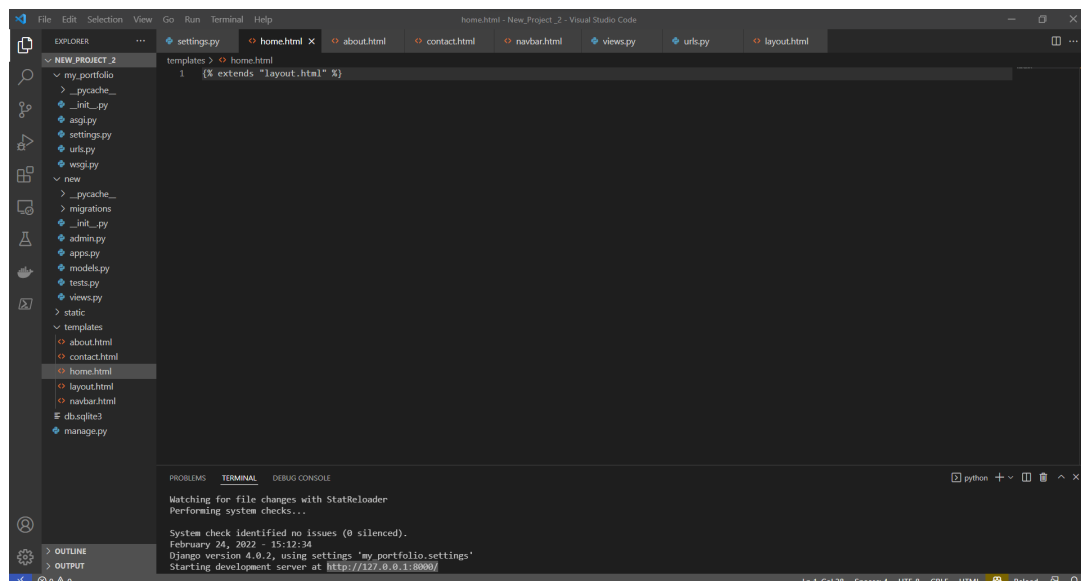   b. After paste this code layout.html looks like this
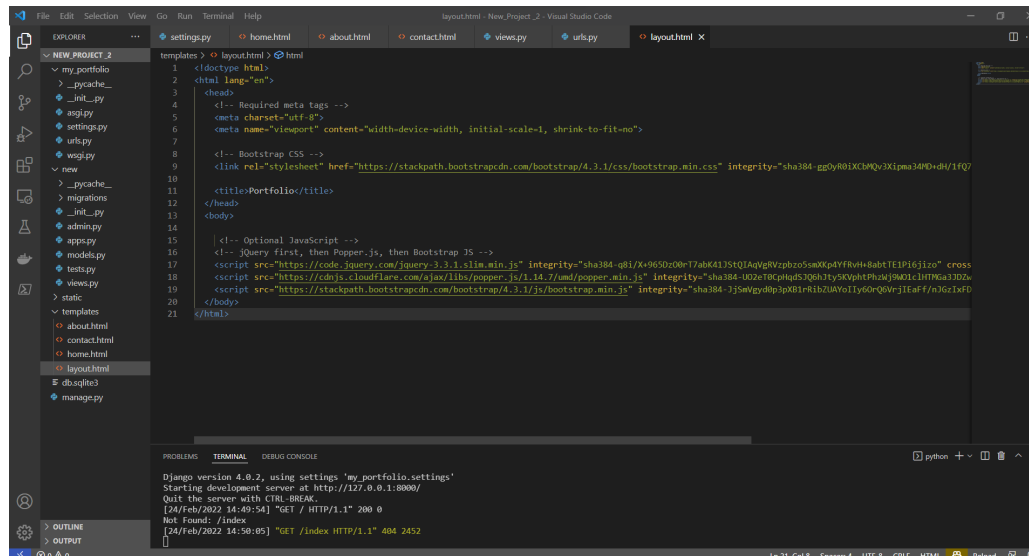
c. First we create a navbar for the home, about & contact page. So, we have to clear all previous codes of the home.html file. Now our home.html, about.html & contact.html file is fully blank.

11. Great! Now we create a navbar. For this, we have to take another Html file in the templates folder called navbar.html.

   a. [Click here](#) to get the code for the navbar.html file

12. Ok. Now we have to do a few things-

   a. In layout.html file paste `{% include 'navbar.html'%}` this in body tag.
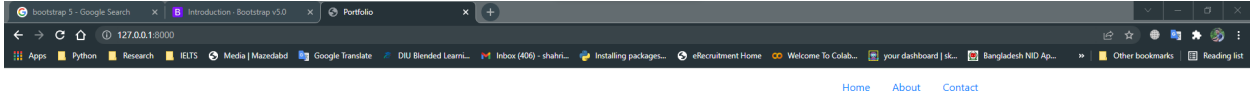

   b. In home.html, about.html, contact.html paste `{% extends "layout.html" %}` this.

c. Start our runserver -
   i. python manage.py runserver
   ii. Go to browser and reload our home page successfully we added navbar to all pages.

END